

THIRD-ORDER LEVELING  
SEA LEVEL DATUM OF 1929

Leslie, Clay, and  
Perry, Counties

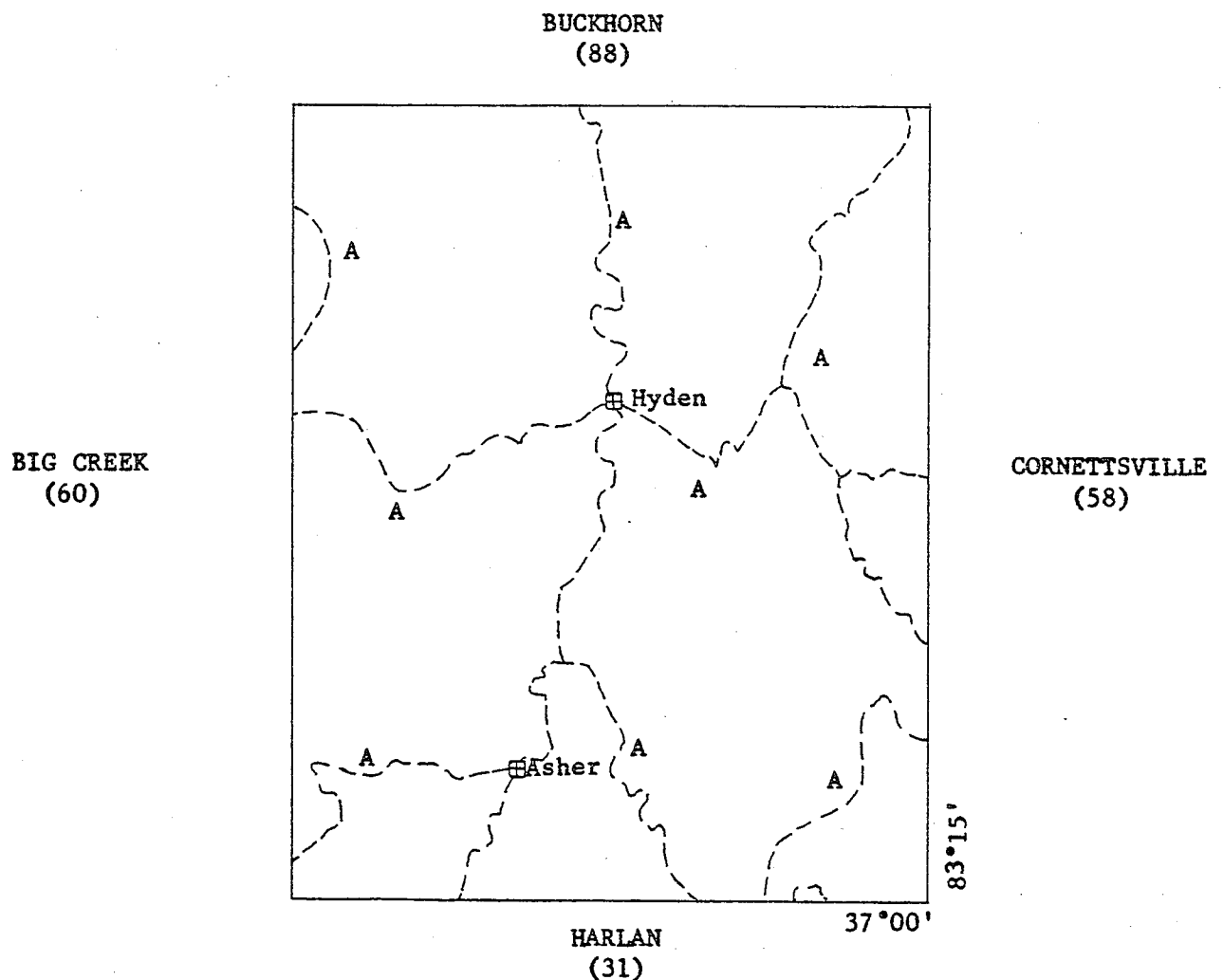
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

37-083-23  
HYDEN QUADRANGLE  
59 KENTUCKY  
N3700-W8315/15  
DIAGRAM NJ 17-7  
JENKINS

Final adjustment of 1973

Edition of 5/15/74

PR: WSM/mid



NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 370832

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ISOLATED BENCH MARKS, (By S. R. Archer, 1915; Books A9702, 9766, and 9783)

Feet

Confluence post office, 1.9 mi S. of; 175 ft S. of Beech Grove Church; 300 ft S. of Peach Orchard Branch; 0.13 mi N. of mouth of Hell for Certain Creek; at top of W. bank of Middle Fork of Kentucky River; E. side of trail; top of sandstone rock; standard tablet stamped "814 KY" (Not found, 1978)	813.857
Dry Hill post office, 0.21 mi N. of; 250 ft N. of rd. forks; 170 ft S. of schoolhouse, opposite and 240 ft N. of mouth of Bull Creek; 700 ft N. of mouth of Cutshin Creek; on E. side of Middle Fork of Kentucky River and hwy.; 50 ft E. of, and 23 ft above rd.; in face of sandstone cliff; standard tablet stamped "843 KY" (Not found, 1977)	842.899
Hyden, 2.85 mi N. of; 0.50 mi N. of mouth of Asher Branch; at ford of Middle Fork of Kentucky River; on N. bank of river; 16 ft above water; on W. side of rd. leading to ford; at fenceline; top of large sandstone rock; standard tablet stamped "824 KY" (Not found, 1977)	823.743
Hyden, Leslie County courthouse ; at SW. corner; in face of sandstone water table; standard tablet stamped "870 KY" (Reported destroyed, 1953)	869.603
Hoskinstone post office, 2.20 mi N. of; 225 ft E. of mouth of Stinnett Creek; 30 ft N. and 15 ft above water; on N. bank of Middle Fork of Kentucky River; two large sandstone rocks; top of W. (smaller) one; standard tablet stamped "901 KY" (Tied by NGS, 1952) (Not found, 1977)	900.973
Asher post office, 350 ft N. of mouth of Beech Fork; on W. bank of Middle Fork of Kentucky River; 3 ft above water in front of cave in sandstone cliff; in top of large sandstone rock at water's edge; standard tablet stamped "953 KY" (Reported destroyed, 1952)	952.813
Asher post office, 3.88 mi S. of; on Beech Fork; 730 ft S. of mouth of Stone Coal Branch; on W. side of Beech Fork; 50 ft W. of rd. in clearing; in top of projection at ft of E. face of large sandstone rock; at SE. corner of rock; standard tablet stamped "1099 KY"	1099.062
Asher post office, 3.47 mi SW. of; 250 ft N. of mouth of Upper Bad Creek; at point where river bends to E.; 60 ft W. of W. bank of river; top of large sandstone rock; standard tablet stamped "1046 KY" (Reported destroyed, 1952)	1046.514

Books; A9702, 9766, and 9783

S. R. Archer

ISOLATED BENCH MARKS (Cont'd.)Feet

- Hoskinston post office, 3.30 mi W. of; on N. bank of Stinnett Creek 130 ft E. of mouth of Gilberts Fork; N. edge of rd.; on top of sandstone outcrop; standard tablet stamped "1279 KY" (Reported destroyed, 1952) 1278.542
- Hyden, 6.5 mi W. of, thence 2.20 mi S.; on Road Fork Branch of Gilberts Creek; 0.53 mi S. of gap between Road Fork Branch of Gilberts Creek and Johnsons Rockhouse Branch of Rockhouse Creek; 0.14 mi above mouth of Road Fork Branch of Gilberts Creek; 40 ft W. of rd.; in E. face of large sandstone rock; standard tablet stamped "1399 KY" (Reported good, 1952) 1398.776
- Hyden, 8.25 mi SW. of; 1.05 mi NW. of gap between Rockhouse Creek and Halls Fork of Big Creek; 240 ft S. of last left fork (Wooby Fork) of Halls Fork; top of sandstone rock; standard tablet stamped "1195 KY" (Reported destroyed, 1952) 1194.941
- Dry Hill post office, 10.05 mi SW. of; on Big Creek of Red Bird River; at junction of Collins and Massies Forks; 180 ft SE. of junction of Collins and Massies Forks; 180 ft SE. of junction of creeks; W. bank of Collins Fork; top of sandstone rock; standard tablet stamped "928 KY" (Reported destroyed, 1952) 927.916
- Dry Hill post office, 6.62 mi SW. of, at ft of N. side of divide between Collins Fork of Big Creek and Bull Creek; at last forks of Bull Creek (left fork called Russell Fork); 130 ft SW. of junction of forks; 60 ft NW. of residence of Robert Sizemore; on E. side and 5 ft above right fork; top of large sandstone rock; standard tablet stamped "1150 KY" (Tablet battered but solid, 1952) (Not found, 1977) 1149.554
- Dry Hill post office, 3.12 mi SW. of; 130 ft E. of Wolf Pen Branch; 200 ft S. of John Keen's store; on S. bank of Bull Creek, at water's edge; top of S. side of large sandstone rock; standard tablet stamped "892 KY" (Reported destroyed, 1952) 891.713
- Hyden, 4.90 mi S. of; 750 ft N. of mouth of Burnt Camp Branch, at bend in Middle Fork of Kentucky River and rd. to S.; on N. bank of river; on S. side and 12 ft under rd.; 60 ft W. of bend in rd. to S.; 25 ft W. of three-pronged elm tree; about 10 ft above water level; top of sandstone cliff; standard tablet stamped "857 KY" (Reported destroyed, 1977) 856.900
- Hyden, 5.04 mi S. of, thence 4.37 mi SE.; 80 ft N. of mouth of Crase Branch on Coon Creek; 1 mi above mouth of Wolf Creek; on N. bank of Coon Creek, at point where creek bends to E.; top of large sandstone rock; standard tablet stamped "1038 KY" (Reported destroyed, 1953) 1037.289

Books; A9702, 9766 and 9783

S. R. Archer

ISOLATED BENCH MARKS (Cont'd.)Feet

Hyden, 5.04 mi S. of, thence 8.18 mi SE.; 0.75 mi W. of Causey Post Office; rd. forks at head of Coon Creek; rd. to E. leads to Wolf Creek and Causey post office, at ft of hill between Coon and Old House Branches of White Oak Creek; 20 ft S. of forks of Coon Creek; 50 ft S. of rd. forks; 70 ft S. of residence of Jasper Baker; on W. side of rd.; in front of barn; top of sandstone rock; tablet stamped "1473 KY"	1472.923
Napier post office, 6.25 mi NW of, thence 3.38 mi NE.; on White Oak Creek; 200 ft E. and 70 ft N. of rd. forks at mouth of old House Branch; on N. side of Marion Templeton's garden, inside of garden fence; in face of sandstone rock; standard tablet stamped "1287 KY"	1286.196
Dry Hill post office, 3.36 mi SE. of; 600 ft NE. of mouth of Mackintosh Creek; on N. side of Mackintosh Creek and 4 ft above water level; in face of sandstone outcrop; standard tablet stamped "835 KY" (Not found, 1977)	834.935
Wooten post office, on Cutshin Creek; 200 ft E. and 260 ft N. of mouth of Wooten Creek; 260 ft N. of ford of Wooten Creek; on N. side of rd. forks; in top of projection, near W. end of sandstone cliff; 7 ft above bed of branch; standard tablet stamped "873 KY" (Tied by NGS, 1951) (Not found, 1977)	873.345
Wooten, 3.07 mi S. of; 175 ft W. of mouth of Coon Creek; N. bank of Cutshin Creek; front of residence of Finley Wooten; in top of projection in sandstone cliff; standard tablet stamped "894 KY" (Tied by NGS, 1951) (Not found, 1977)	894.112

Description: Bks. A3349-50-1-2-3-

A3538-1

Bul. 496

RECOPY 7-5-51 RRG

Situated about 1.5 mi. NW. of Hyden on knob having good view from E. to E. and S., but is not as high as some surrounding knobs on the E. Old mark destroyed.

To reach station from Hyden follow Ky. 80 toward Manchester for approximately 3/4 mi. from Court House and turn N. up WPA road up Maggard's Branch for approx. 1 1/2 mi. to near top of mountain. Then left up Wagon Trail and follow to highest point and station

STATION MARK, An inverted bottom about 6 in. under surface of highest point of a sharp knob, recovered in good condition. Three drill holes in boulders as described in the notes were found in good condition but signal tree used as Reference Mark had been cut down and only the stump remained. (Recovered by J.J. Constantine 1938)

REFERENCE MARKS: (1) Signal tree, dist. 16.7 ft.; true azimuth 223°00'

REFERENCE MARK: (2) Drill hole in sandstone boulder, dist. 23.5 ft.; true azimuth 257°

REFERENCE MARK (3) Drill hole in sandstone ledge, dist. 33 ft. true azimuth 351°

REFERENCE MARK (4) Drill hole in sandstone ledge, dist. 19.4 ft.; true azimuth 64°

NOTE: From Table Rock and Ivy Stations, V.VA. USC&GS)

[Latitude 37 09 57.85

Longitude 83 24 26.16

To Station—	Azimuth			Back Azimuth			Distances	
							Log. Meters	Miles
Lost *	229	35	12	49	43	17	4.414106	16.124
Brashear *	286	26	32	106	36	02	4.386194	15.120
Long Spur*	307	39	49	127	53	00	4.613439	25.515
Harlan *	345	00	38	165	03	53	4.487938	19.111
Bad	327	01	50	147	04	52	4.16315	9.047
Harlan	345	00	38	165	03	53	4.487938	19.111

\* From Bulletin 496, page 119

Station: **Bad** (Hyden 15' Quad) County: **LESLIE** State: **KENTUCKY**  
 Observer: **R.L. McNAIR** Year: **1916** Datum: **1927 N. A. D.**  
 Description:  
 Bks. **A3349-50-1-2-**  
**A3590-1**  
 R.M. OPY **7-5-51 RRG**

Situated about 7 mi. S. and 3 mi. E. of Hyden between the drainage of Middle Fork of Kentucky River and Coon Creek. At the head of Rockhouse Branch of Upper Bad Creek, at the head of Lower Bad Creek, and Munsey Branch of Coon Creek. Knob is heavily timbered with lines of sight cut to other stations. It may be reached from Jerry Bledsoe's on Coon Creek or by following up either Bad Creek.

STATION MARK: A sandstone boulder set 18-in. in ground in top of which is a drill hole 3-in. deep

Latitude 37° 03' 21.7"			Longitude 83° 19' 05.5"			1	
To Station	Azimuth			Back Azimuth			Distances
						Log. Meters	Miles
Stinnett	92	21	09	272	16	02	4.10061 7.834
Thousand Stick	147	04	52	327	01	50	4.16315 9.047
Harlan	359	57	17	179	57	17	4.24292 10.871

Observer: E. L. McNair

Year: 1916

Datum: 1927 N.A.D.

## Description:

Eks. A3349-50-51-51-53

A3590-91

RECOPY 7-5-51 RRG

Situated about 7 mi. S. and 5 mi. W. of Hyden at the head of Stinnett Creek and Woodson Branch of Bowen Creek, and about 0.25 mi. NW. of gap where rd. crosses divide. Land is owned by Thos. Collins who lives near the head of Stinnett Creek. Hill partly timbered. Good view in N. and E. but all view W. is largely cut off. Some cutting would open a good view to SW.

STATION MARK: A sandstone boulder about 18 in. long and set in ground flush with surface. In top is a drill hole about 2.5 in. deep. Mark is about 8 ft. W. of a rail fence and about 35 ft. E. of a fence corner.

REFERENCE MARK: A dead tree, distant 24 ft.; true azimuth 307°46'.

Latitude 37° 03' 38.0

Longitude 83° 27' 35.3

To Station	Azimuth			Back Azimuth			Log. Meters	Miles
Paint Gap	48	26	54	228	21	30	4.24978	11.045
Bad	272	16	02	92	21	09	4.10061	7.834
Barian	324	55	13	145	00	20	4.34222	13.663



HORIZONTAL CONTROL  
NORTH AMERICAN DATUM OF 1927

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

37-083-23  
HYDEN QUADRANGLE  
59 KENTUCKY  
N3700-8315/15  
DIAGRAM NJ 17-7  
JENKINS

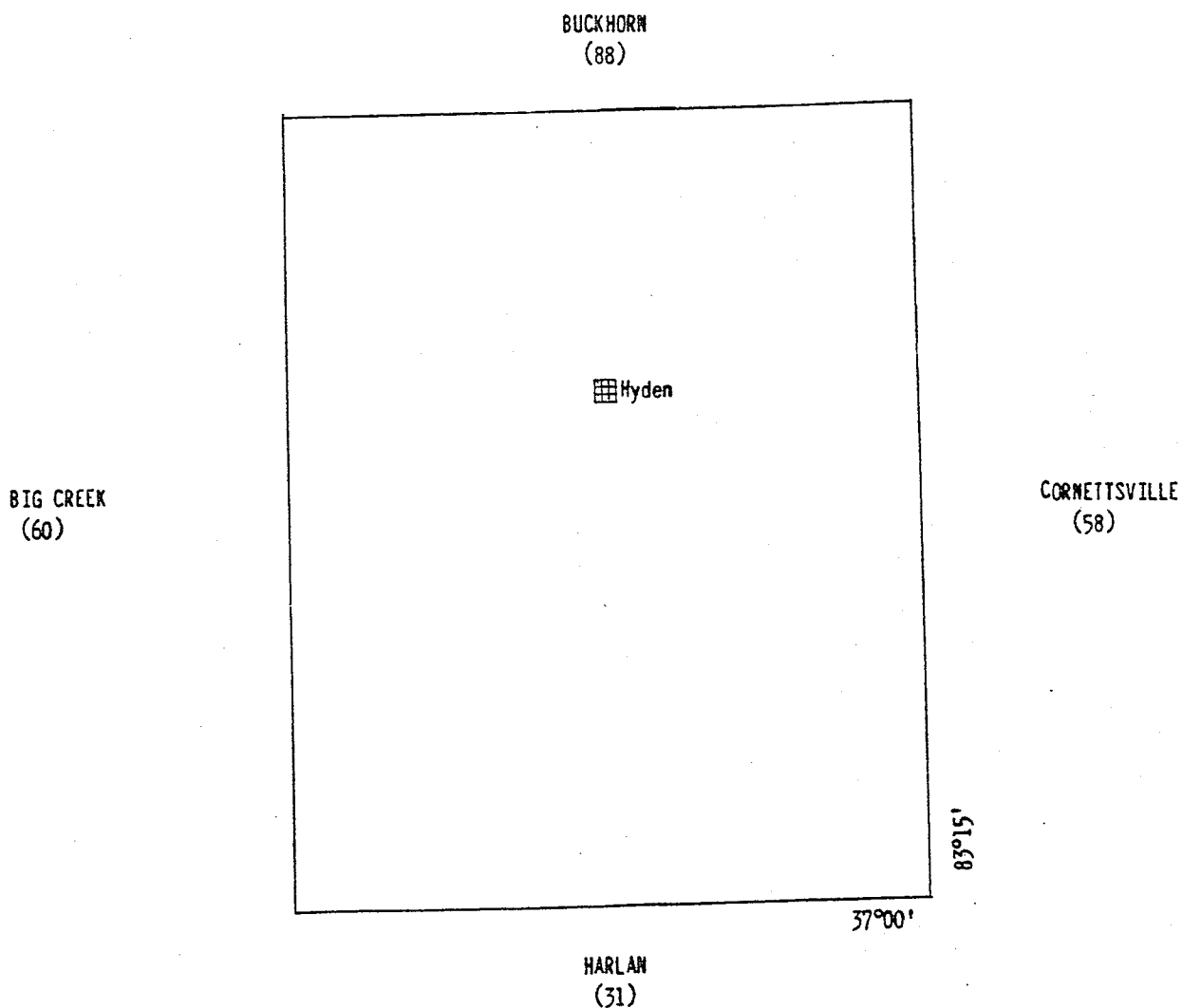
Leslie and Perry Counties

Edition of 9/30/76

PR: CRV/rmm

Plane coordinates are based on Lambert  
projection, Kentucky, South Zone

Only the permanent marks are  
listed for control classified  
obsolete and are not shown on  
sketch



DISCLAIMER

We no longer attest to the validity of the positions listed for horizontal control established by transit traverse procedures. This control is now considered OBSOLETE and is included in this list for the purpose of identification only.

59 KENTUCKY  
HYDEN QUADRANGLE

37-083-23  
N3700-W8315/15

INDEX OF PERMANENT MARKS

MARK (USGS)

PAGE NO.

H 188 1950 1087.278  
J 188 1950 1242.452  
I 138 CWH 1952

3  
3  
3

STATION	DESCRIPTION	LATITUDE	LONGITUDE
PLANE COORDINATES, FEET		° ' "	° ' "

The following positions are considered OBSOLETE. To be used only to locate permanent marks in the field.

By C. W. Haas, 1952; Book AS 88

Hyden, 6.4 mi S. of junction of State Highway 80, along U. S. Highway 421, thence 5.3 mi SW. along dirt rd. to rd. fork, thence 0.5 mi SW. to board gate across rd.; 23 ft NW. of centerline of rd.; 18 ft NW. of NW. gate post; 3 ft NE. of rail fence; in 3- by 4-ft sandstone boulder; standard tablet stamped "I 138 CWH 1952" (Not found, 1977)

X = 2,667,229	Y = 274,306	37 03 52.49	83 27 46.87
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By D. W. Pinkson, 1951; Book AH 224

Sizerock, 0.7 mi S. of school, along rd.; 79 ft SE. of S. corner of store of Jim E. Step; 36 ft NE. of centerline of rd.; 12 ft NE. of centerline of private drive; 10 ft SE. of forked 14-in. buckeye tree; 4 ft NW. of prominent boulder, about 3 ft below rd.; in flat topped sandstone ledge; MGS standard disk stamped "H 188 1950 1087.278" (Not found, 1977)

X = 2,656,536	Y = 329,693	37 13 02.53	83 29 42.45
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Sizerock, 1.8 mi S. of school, along rd.; on N. slope of hill; 60 ft S. of SE. corner of two-room log shack; 27 ft W. of centerline of rd.; 19 ft NE. of power pole with transformer; 16 ft SW. of W. end of 24-in. pipe culvert; in concrete post; MGS standard disk stamped "J 188 1950 1242.452" (Not found, 1977)

X = 2,658,409	Y = 324,926	37 12 14.97	83 29 20.71
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